

Cara A. Donohue, Ph.D. CCC-SLP
CURRICULUM VITAE

<https://cdonohue5.wixsite.com/my-site-1>

LIST OF CURRENT RESEARCH INTERESTS

1. Instrumental methods of swallow screening and signal processing
2. Understanding underlying mechanisms of disordered swallowing impairment associated with neurologic and cardiopulmonary etiologies
3. Developing sensitive screening, accurate assessment, and effective treatment techniques for impaired pulmonary, cough, and swallow function in patients with cardiopulmonary/neurological diseases
4. Principles of exercise training and neuromodulation in dysphagia rehabilitation

BIOGRAPHICAL INFORMATION

Business Address:

Department of Hearing and Speech Sciences Email Address: cara.donohue@vumc.org
 1215 21st Avenue South Phone: (952)-847-3423
 Medical Center East
 Vanderbilt University Medical Center
 Nashville, TN 37232

EDUCATION and TRAINING

- June 2021-Oct 2022 **Post-Doctoral Research Fellowship**
 Department of Speech, Language, and Hearing Sciences
 University of Florida, Gainesville, FL
 Mentor: Emily K. Plowman, Ph.D.
- May 2021 **Doctor of Philosophy**
 Communication Science and Disorders
 University of Pittsburgh, Pittsburgh, PA
 Dissertation: *Proactive dysphagia management of patients with neurodegenerative diseases: Early identification and intervention*
 Advisor: James L. Coyle, Ph.D.
- May 2015 **Master of Arts**
 Speech-Language Pathology
 University of Minnesota, Minneapolis, MN
 Advisor: Benjamin Munson, Ph.D.
- May 2013 **Bachelor of Arts, Magna cum Laude**
 Speech-Language-Hearing Sciences
 University of Minnesota, Minneapolis, MN

APPOINTMENTS and POSITIONS

ACADEMIC POSITIONS:

<u>Years Inclusive</u>	<u>Department, Name, and Location of Institution</u>	<u>Rank/Title</u>
July 2023-present	Critical Illness, Brain Dysfunction, and Survivorship (CIBS) Center, Vanderbilt University Medical Center, Nashville, TN	Research Team Member
Nov 2022- present	Department of Hearing and Speech Sciences, Vanderbilt University, Nashville, TN	Clinical Assistant Professor
Nov 2022-present	Vanderbilt University Medical Center, Nashville, TN	Director Medical Speech-Language Pathology

Aug 2021- Oct 2022	Department of Speech, Language, and Hearing Sciences, University of Florida, Gainesville, FL	Clinical Supervisor
Jun 2021- Oct 2022	Aerodigestive Research Core, University of Florida, Gainesville, FL	Post-Doctoral Research Fellow
Jun 2021- Oct 2022	BREATHING Research and Therapeutics Center, University of Florida, Gainesville, FL	Trainee
Jan 2018- May 2021	Department of Communication Science and Disorders, University of Pittsburgh, Pittsburgh, PA	Clinical Supervisor Multidisciplinary ALS clinic
Jan 2018- May 2021	Department of Communication Science and Disorders, University of Pittsburgh, Pittsburgh, PA	Research Assistant Computational Deglutition Lab
Jan 2019- Apr 2019	Department of Communication Science and Disorders, University of Pittsburgh, Pittsburgh, PA	Teaching Practicum Respiration/Swallowing in ALS
Sept 2017- Dec 2017	Clinics and Surgery Center, University of Minnesota, Minneapolis, MN	Research Assistant Clinical trials, patients with ALS
Sept 2017- Dec 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Guest Lecturer Dysphagia Management
Sept 2017- Dec 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Teaching Assistant A & P of Speech & Hearing
Sept 2017- Dec 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Teaching Assistant Assessment & Treatment in SLP
May 2017- Aug 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Clinical Supervisor
Jan 2017- May 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Teaching Assistant Aug & Alt Communication
Sept 2016- Aug 2017	Department of Rehabilitation Sciences, University of Minnesota, Minneapolis, MN	Research Assistant Brain Plasticity Lab
Sept 2016- Aug 2017	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Research Assistant Child Language Intervention Lab
Sept 2016- Dec 2016	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Teaching Assistant Assessment & Treatment in SLP
May 2013- Jan 2015	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Research Assistant Fluency Lab
Jan 2013- May 2015	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Research Assistant Learning to Talk Lab
Aug 2014	Department of Speech-Language Hearing Sciences, University of Minnesota, Minneapolis, MN	Research Assistant Kids Talk & Brain Power Study

Oct 2012- Aug 2013	McNamara Academic Center, University of Minnesota, Minneapolis, MN	Tutor
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NON-ACADEMIC POSITIONS:

<u>Years Inclusive</u>	<u>Department, Name, and Location of Institution</u>	<u>Rank/Title</u>
Sept 2018- May 2021	Speech-Language Pathology, University of Pittsburgh Medical Center Presbyterian, Pittsburgh, PA	Speech-Language Pathologist
Jan 2018- May 2021	Speech-Language Pathology, University of Pittsburgh Medical Center ALS Clinic, Pittsburgh, PA	Speech-Language Pathologist
Jan 2018- May 2021	Speech-Language Pathology, University of Pittsburgh Medical Center Passavant, Pittsburgh, PA	Speech-Language Pathologist
May 2017- Dec 2017	Speech-Language Pathology, Fairview Home Care and Hospice, Minneapolis, MN	Speech-Language Pathologist
Apr 2016- Dec 2017	Speech-Language Pathology, United Hospital, St. Paul, MN	Speech-Language Pathologist
Apr 2016- Dec 2017	Speech-Language Pathology, Hennepin County Medical Center, Minneapolis, MN	Speech-Language Pathologist
Aug 2015- Dec 2017	Speech-Language Pathology, University of Minnesota Masonic Children's Hospital, Minneapolis, MN	Clinical Fellow/Speech-Language Pathologist
Aug 2015- Aug 2016	Speech-Language Pathology, University of Minnesota Cleft Craniofacial Clinic, Minneapolis, MN	Clinical Fellow
Oct 2014- Mar 2015	Speech-Language Pathology, Minneapolis VA Medical Center, Minneapolis, MN	Graduate student clinician
May 2014- Aug 2014	Speech-Language Pathology, Crestview Skilled Nursing Facility, Minneapolis, MN	Graduate student clinician
Jun 2014	Speech-Language Pathology, University of Minnesota Fluency Camp, Minneapolis, MN	Graduate student clinician
Jan 2014- May 2014	Speech-Language Pathology, Fraser Center Minneapolis, MN	Graduate student clinician
Sep 2013- Dec 2013	Speech-Language Pathology, University of Minnesota Cleft Craniofacial Clinic, Minneapolis, MN	Graduate student clinician
Jun 2013- Aug 2013	Speech-Language Pathology, Pines Aphasia Group, Minneapolis, MN	Graduate student clinician

CERTIFICATION and LICENSURE**SPECIALTY CERTIFICATION:**

2021	UF Certificate in Multicultural Mentoring
2020	Scientific Teaching Fellow in STEM Teaching
2016, 2021	Modified Barium Swallow Impairment Profile (MBSImP) Certification
2016-present	Certified Member, American Speech-Language Hearing Association (ASHA), #14088841

PROFESSIONAL LICENSURE:

Dec 2022-present	Licensed SLP, State of Tennessee, #8156
Dec 2020-present	Licensed SLP, State of Florida #SA18668
July 2017-present	Licensed SLP, Commonwealth of Pennsylvania #SL013538
Jul 2016-May 2018	Licensed SLP, State of Minnesota, #9478

MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES**ORGANIZATIONS:**

Jul 2022-present	Member, European Society for Swallowing Disorders
Nov 2021-present	Member, ASHA Special Interest Group #10 (Issues in Higher Education)
Sept 2020-present	Member, American Heart Association
Jan 2019-present	Member, National Foundation of Swallowing Disorders (NFOSD)
Jun 2016-present	Member, Dysphagia Research Society (DRS)
May 2015-present	Member, ASHA Special Interest Group #13 (Swallowing and Swallowing Disorders (Dysphagia))
Jan 2018-2021	Member, Pennsylvania Speech-Language Hearing Association (PSHA)
Sept 2016-Dec 2017	Member, University of Minnesota College of Graduate Students
May 2015-Dec 2017	Member, Twin Cities Speech-Language Pathology
May 2015-2021	Member, ASHA Special Interest Group #18 (Telepractice)
Aug 2015-Dec 2016	Member, American Cleft Palate Craniofacial Association (ACPA)
Jan 2013-Dec 2017	Member, Minnesota Speech-Language Hearing Association (MSHA)
Sept 2011-May 2015	Member, National Student Speech-Language Hearing Association (NSSLHA)

HONORS and AWARDS

2023	Honorable mention, AB-SSD Excellence in Clinical Research Recognition for Adult Dysphagia Research
2023	ASHA Convention Changemaker Session Award
2023	DRS 3 rd Place Overall Poster Presentation Award
2023	5th ASHA Award for Continuing Education (ACE)
2022	DRSIE Fall Conference Travel Award
2022	DRS Sumiko Okada International Fellowship Award
2022	DRS New Investigator Award, 2 nd place
2022	ASHA Lessons for Success
2021	Utah National Research Mentoring Network Grant Writing Program
2021	UF Preparing Future Faculty Program
2021	ASHA Meritorious Poster Award for extraordinary, exceptional, innovative work
2021	ASHA Research Mentoring-Pair Travel Award
2021	World Dysphagia Summit Scholarship
2021	Women Lead: UF Institute for Early Career Scholars
2021	CAPCSD Ph.D. Scholarship
2021	ASHA Pathways Program
2021	Dysphagia Journal Steven B. Leder Award for Most Clinically Impactful Publication
2020	SHRS Ph.D. Student Award
2020	DRS Sponsor-A-Student Award
2020	ASHA Distinguished Early Career Professional Certificate
2020	Audrey Holland Endowed Student Research Award
2020	American Congress of Rehabilitation Medicine, Neurodegenerative Diseases Best Poster Award
2020	ASHFoundation New Century Scholars Doctoral Scholarship
2020	Pennsylvania Speech-Language Hearing Association Rising Star Award
2020	Northeast ALS Consortium Principal Investigator Training
2020	ASHA's Teaching Symposium Scholarship
2020	Meritorious Poster Session at PSHA
2020	SHRS Research Development Fund
2020	SHRS Travel Grant

2019	SHRS Travel Grant
2019	Sertoma CSD Scholarship
2019	National Center for Adaptive Neurotechnologies (NCAN) Course Scholarship
2019	Semantic Compactions Student Travel Award
2018	SHRS Travel Grant
2018	LSVT Global Student Grant
2014	Clark D. Starr Scholarship Award
2014	Minnesota Speech Language Hearing Association Scholarship
2011-2015	University of Minnesota Dean's List

PUBLICATIONS

PEER-REVIEWED ARTICLES:

- Donohue, C.,** Raye, K., Pandharipande, P., Ely, W. (In Preparation). Prevalence and characteristics of oropharyngeal dysphagia in critically ill patients during the acute and post-acute recovery phase. *American Journal of Respiratory and Critical Care Medicine*.
- Donohue, C.,** Croft, K., Maristela, S., Folsom, M., Plowman, E.K. (In Preparation). Swallowing safety and efficiency normative reference values using validated fiberoptic endoscopic evaluation of swallowing rating scales in healthy adults. *Dysphagia*.
- Donohue, C.** (In Preparation). Motor imagery practice to improve respiratory and cough function. *JSLHR*.
- Donohue, C.,** Perry, B., Garand, K. (Under Review). Shared decision-making in dysphagia management for individuals with amyotrophic lateral sclerosis. *AJSLP*.
- Donohue, C.,** Anderson, A., DiBiase, L., Wymer, J.P., Plowman, E.K. (Under Revision). Relationship between pulmonary, cough, and swallowing functions and decline in ALS. *Muscle & Nerve*.
- Donohue, C.,** Wiele, L., Terry, A., Jeng, E., Martin, T., Beaver, T., Chheda, N., Plowman, E.K. (2024). Longitudinal examination of swallowing safety and vocal fold mobility in individuals undergoing cardiovascular surgery. *Annals of Thoracic Surgery Short Reports*.
- Donohue, C.,** Robison, R., Steele, C.M., Wymer, J.P., Plowman, E.K. (2023). Profiling number of swallows per bolus and residue in individuals with ALS. *Journal of speech, language, and hearing research*, 66(10), 3763–3772. https://doi.org/10.1044/2023_JSLHR-23-00209
- Donohue, C.,** Wiele, L., Terry, A., Jeng, E., Martin, T., Beaver, T., Vasilopoulos, T., Plowman, E.K. (2023). Preoperative respiratory strength training is feasible, safe, and improves pulmonary physiologic capacity in individuals undergoing cardiovascular surgery. *JTCVS open*, 15, 324–331. <https://doi.org/10.1016/j.xjon.2023.07.005>
- Croft, K., Dallal-York, J., Miller, S., Anderson, A., **Donohue, C.,** Jeng, E., & Plowman, E. K. (2023). Provision of oral care in the cardiothoracic intensive care unit: Survey of nursing staff training, confidence, methods, attitudes, and perceived barriers. *Journal of continuing education in nursing*, 54(7), 313–321. <https://doi.org/10.3928/00220124-20230620-02>
- Donohue, C.,** Carnaby, G., Reilly, M. C., Colquhoun, R. J., Lacomis, D., & Garand, K. L. F. (2023). A meta-analysis of post-exercise outcomes in people with amyotrophic lateral sclerosis. *eNeurologicalSci*, 31, 100452. <https://doi.org/10.1016/j.ensci.2023.100452>. PMID: PMC9982645.
- Donohue, C.,** Chapin, J., Tabor Gray, L., Anderson, A., DiBiase, L., Wymer, J.P., Plowman, E.K. (2023). Sensitivity and specificity of the amyotrophic lateral sclerosis functional rating scale – revised (ALSFRS-R) to detect dysarthria in ALS. *Muscle & Nerve*.
- Tabor Gray, L., **Donohue, C.,** Vasilopoulos, T., Wymer, J. P., & Plowman, E. K. (2023). Maximum phonation time as a surrogate marker for airway clearance physiologic capacity and pulmonary function in individuals with amyotrophic lateral sclerosis. *Journal of speech, language, and hearing research: JSLHR*, 66(4), 1165–1172. https://doi.org/10.1044/2022_JSLHR-22-00522. PMID: PMC10187964.
- Khalifa, Y., **Donohue, C.,** Coyle, J. L., & Sejdic, E. (2023). Autonomous swallow segment extraction using deep learning in neck-sensor vibratory signals from patients with dysphagia. *IEEE journal of biomedical and health informatics*, 27(2), 956–967. <https://doi.org/10.1109/JBHI.2022.3224323>. PMID: PMC10079637.
- Donohue, C.,** Carnaby, G., & Focht Garand, K. L. (2023). A clinician's guide to critically appraising randomized controlled trials in the field of speech-language pathology. *AJSLP*, 32(2), 411–425. https://doi.org/10.1044/2022_AJSLP-22-00180

- Donohue, C.,** Gray, L. T., Anderson, A., DiBiase, L., Wymer, J. P., & Plowman, E. K. (2023). Profiles of dysarthria and dysphagia in individuals with amyotrophic lateral sclerosis. *Journal of speech, language, and hearing research: JSLHR*, *66*(1), 154–162. https://doi.org/10.1044/2022_JSLHR-22-00312. PMID: PMC10023186.
- Dallal-York, J., Croft, K., Anderson, A., DiBiase, L., **Donohue, C.,** Vasilopoulos, T., Shahmohammadi, A., Pelaez, A., Pipkin, M., Hegland, K. W., Machuca, T. N., & Plowman, E. K. (2023). A prospective examination of swallow and cough dysfunction after lung transplantation. *Neurogastroenterology and motility: the official journal of the European Gastrointestinal Motility Society*, *35*(4), e14458. <https://doi.org/10.1111/nmo.14458>
- Donohue, C.,** Coyle, J.L. (2022). Application of meta-therapy to dysphagia rehabilitation. *Perspectives of the ASHA Special Interest Groups*.
- Donohue, C.,** Robison, R., DiBiase, L., Anderson, A., Vasilopoulos, T., Plowman, E.K. (2022). Comparison of validated videofluoroscopic outcomes of pharyngeal residue: Concordance between a perceptual, ordinal, and bolus-based rating scale and a normalized pixel-based and quantitative outcome. *JSLHR*, *65*(7), 2510–2517. https://doi.org/10.1044/2022_JSLHR-21-00659. PMID: PMC9584126.
- Donohue, C.,** Tabor Gray, L., Anderson, A., DiBiase, L., Chapin, J., Wymer, J.P., Plowman, E.K. (2022). Discriminant ability of the Eating Assessment Tool-10 to detect swallowing safety and efficiency impairments. *Laryngoscope*. <https://doi.org/10.1002/lary.30043>.
- Donohue, C.,** Carnaby, G., Garand, K.L. (2022). How to interpret and evaluate meta-analysis in the field of speech-language pathology: A tutorial for clinicians. *AJSLP*, *31*(2), 664-677. https://doi.org/10.1044/2021_AJSLP-21-00267.
- Donohue, C.,** Tabor Gray, L., Chapin, J., Anderson, A., DiBiase, L., Wymer, J.P., Plowman, E.K. (2021). Discriminant ability of the 3-ounce water swallow test to detect aspiration in amyotrophic lateral sclerosis. *Neurogastroenterology & Motility*, *34*(7). <https://doi.org/10.1111/nmo.14310>.
- Donohue, C.,** Coyle, James L. (2021). Letter to the editor regarding: “Metadeglutition? Rate of aspiration-related events in healthy females using a novel data collection app. *Perspectives of the ASHA Special Interest Groups*. https://doi.org/10.1044/2021_PERSP-21-00103
- Donohue, C.,** Khalifa, Y., Perera, S., Sejdić, E., Coyle, J.L. (2021). Characterizing effortful swallows from healthy community dwelling adults across the lifespan using high-resolution cervical auscultation signals and MBSImp scores: A preliminary study. *Dysphagia*, 1-9. <https://doi.org/10.1007/s00455-021-10368-3>. PMID: PMC8449695.
- Donohue, C.,** Khalifa, Y., Mao, S., Perera, S., Sejdić, E., Coyle, J.L. (2021). Characterizing swallows from people with neurodegenerative diseases using high-resolution cervical auscultation signals and temporal and spatial swallow kinematic measurements. *JSLHR*, *64*(9), 3416-3431. https://doi.org/10.1044/2021_JSLHR-21-00134. PMID: PMC8642099.
- Donohue, C.,** Khalifa, Y., Mao, S., Perera, S., Sejdić, E., Coyle, J.L. (2021). Establishing reference values for temporal kinematic swallow events across the lifespan in healthy community dwelling adults using high-resolution cervical auscultation. *Dysphagia*, *37*(3), 664-675. <https://doi.org/10.1007/s00455-021-10317-0>.
- Donohue, C.,** Carnaby, G., Garand, K.L. (2021). Critically appraising systematic reviews in the field of speech-language pathology: A how-to guide for clinician readers. *AJSLP*, *30*(5), 2040–2052. https://doi.org/10.1044/2021_AJSLP-21-00004.
- Donohue, C.,** Carnaby, G., Colquhoun, R., Lacomis, D., Garand, K.L. (2020). Letter to the editor regarding: “Effects of exercise in patients with amyotrophic lateral sclerosis: A systematic review and meta-analysis.” *American Journal of Physical Medicine & Rehabilitation*, *100*(4), e55–e56. <https://doi.org/10.1097/PHM.0000000000001656>
- Donohue, C.,** Khalifa, Y., Perera, S., Sejdić, E., Coyle, J.L. (2020). How closely do machine ratings of duration of UES opening during videofluoroscopy approximate clinician ratings using temporal kinematic analyses and the MBSImp? *Dysphagia*, *36*(4), 707-718. <https://doi.org/10.1007/s00455-020-10191-2>. PMID: PMC7981286.
- Donohue, C.,** Khalifa, Y., Perera, S., Sejdić, E., Coyle, J.L. (2020). A preliminary investigation of whether HRCA signals can differentiate between swallows from healthy people and swallows from people with neurodegenerative diseases. *Dysphagia*, *36*(4), 635-643. <https://doi.org/10.1007/s00455-020-10177-0>. PMID: PMC7933315.
- Donohue, C.,** Coyle, J.L. (2020). The safety, tolerability, and impact of respiratory-swallow coordination training and EMST on pulmonary, cough, and swallow function surrogates in amyotrophic lateral sclerosis. *Perspectives of the ASHA Special Interest Groups*, 1–13. https://doi.org/10.1044/2020_PERSP-20-00030.
- Donohue, C.,** Coyle, J.L. (2020). How important is randomization of swallows during kinematic analyses of swallow function? *AJSLP*, *29*(3):1650-1654. https://doi.org/10.1044/2020_AJSLP-20-00020. PMID: PMC78935321.

- Donohue, C.,** Mao, S., Sejdić, E., Coyle, J.L. (2020). Tracking hyoid bone displacement during swallowing without videofluoroscopy using machine learning of vibratory signals. *Dysphagia*, 36, 259-269. <https://doi.org/10.1007/s00455-020-10124-z>. PMID: PMC7669608.
- Khalifa, Y., **Donohue, C.,** Coyle, J.L., Sejdić, E. (2020). Upper esophageal sphincter opening segmentation with convolutional recurrent neural networks in high resolution cervical auscultation. *IEEE Journal of Biomedical and Health Informatics*. <https://doi.org/10.1109/JBHI.2020.3000057>. PMID: PMC7714702.
- Zhang, Z., Perera, S., **Donohue, C.,** Kurosu, A., Mahoney, A., Coyle, J.L., Sejdić, E. (2020). The prediction of risk of penetration-aspiration via hyoid bone displacement features. *Dysphagia*, 35(1), 66-72. <https://doi.org/10.1007/s0045-019-10000-5>. PMID: PMC6764901.
- He, Q., Perera, S., Khalifa, Y., Zhang, Z., Mahoney, A., Sabry, A., **Donohue, C.,** Coyle, J.L., & Sejdić, E. (2019). The association of high-resolution cervical auscultation signal features with hyoid bone displacement during swallowing. *IEEE Transactions on Neural Systems & Rehabilitation Engineering*, 27(9), 1810-1816. <https://doi.org/10.1109/TNSRE.2019.2935302> PMID: PMC6746228.
- Mao, S., Zhang, Z., Khalifa, Y., **Donohue, C.,** Coyle, J.L., Sejdić, E. (2019). Neck sensor-supported hyoid bone movement tracking during swallowing. *Royal Society*, 6(7), 181982. <https://doi.org/10.1098/rsos.181982>. PMID: PMC6689594.
- Sasisekaran, J. & **Donohue, C.** (2016). Effects of concurrent task demands on language planning in fluent children and adults. *Applied Psycholinguistics*, 37(6), 1311-1336. <https://doi.org/10.1017/s0142716415000582> PMID: PMC5786384.

CONFERENCE PROCEEDINGS:

- Khalifa, Y., **Donohue, C.,** Coyle, James L., Sejdic, E. On the robustness of high-resolution cervical auscultation-based detection of upper esophageal sphincter opening duration in diverse populations. Proc. SPIE 11730, *Big Data III: Learning, Analytics, and Applications*, 117300M (April 12, 2021). <https://doi.org/10.1117/12.2588591>

PROFESSIONAL ACTIVITIES**FELLOWSHIPS and GRANTS:**

<u>Years Inclusive</u>	<u>Grant Number</u>	<u>Grant Title</u>	<u>Project Role, Effort</u>	<u>Funding</u>	<u>Source</u>
2024	N/A	Impact of preoperative respiratory strength training on airway clearance, swallowing safety, and health outcomes in heart transplant recipients	PI, 75%	Pending (\$330,000)	VUMC VFRS
2023	LRP0000044363	Loan Repayment Renewal	N/A	Pending (\$17,500)	NHLBI
2023	N/A	Impact of preoperative respiratory strength training on postoperative health outcomes for heart transplant candidates	PI, 10%	Pending (\$231,000)	AHA Foundation
Submitted 02/2022	1K99HL166877-01	Mechanistic treatment targets of dysphagia in cardiac surgical patients	PI, 100%	Not Funded	NHLBI
2022-2024	LRP0000009261	Loan repayment program	N/A	\$17,500	NHLBI
2021-2023	N/A	Does prophylactic targeted exercise improve postoperative health outcomes in cardiac surgical patients?	PI, 80%	Salary/fringe \$137,604	AHA Foundation

2021-2023	N/A	Safety, feasibility, and impact of respiratory strength training in cardiac surgical patients	PI, 20%	\$50,000	ASHFou-ndation
2020-2021	N/A	Quantifying exercise-induced fatigue of the respiratory and swallowing musculature in patients with ALS	PI, 40%	\$7500	SHRS Ph.D. Student Award
2020-2021	N/A	Proactive dysphagia management in patients with neurodegenerative diseases: Early identification and intervention	PI, 20%	\$3000	Audrey Holland Endowed Research Award
2020-2021	NA	Does respiratory strength training induce fatigue of the respiratory and swallowing musculature in patients with ALS?	PI, 20%	\$1000	SHRS Research Development Award
Submitted Aug 2020	F31HD105444-01	Quantifying exercise-induced fatigue of the respiratory and swallowing musculature in patients with ALS	PI, 100%	Not funded	NIH F31 Pre-doctoral Fellowship
Jul 2019	EB018783	NCAN training/dissemination	Trainee	Room/board, Travel costs P41	NIH NIBIB
2018-2019	N/A	The safety, tolerability, and impact of a combined respiratory intervention in patients with ALS	PI, 100%	\$1500	LSVT Global Student Grant

RESEARCH-RELATED PRESENTATIONS, LECTURES, SEMINARS

INVITED PRESENTATIONS:

- Donohue, C.** (2024, February 23). *Integrating measures of respiratory and cough function into dysphagia management*. Med SLP Conference, Nashville, TN.
- Carnaby, G., Chau, T., **Donohue, C.**, Kantarcigil, C., Sejdic, E., Coyle, J.L. (2023, November 15). *Artificial intelligence and Computational deglutology: State of the science and dreams for the future of swallowing*. Meet the Masters Course, ASHA Convention, Boston, MA.
- Donohue, C.** (2023, August 25). *A tough pill to swallow: Dysphagia management from A to Z*. Grand rounds presentation, Nashville, TN.
- Donohue, C.** (2023, July 20). *Dysphagia management in individuals with neurodegenerative diseases*. Educational seminar in cognitive behavioral neurology, Nashville, TN.
- Donohue, C.** (2023, March 29). *Dysphagia in individuals with ALS and preoperative cardiac surgical patients*. Vanderbilt Department of Hearing and Speech Sciences Research Colloquium, Nashville, TN.

PODIUM PRESENTATIONS:

- Donohue, C.,** Wiele, L., Terry, A., Chheda, N., Plowman, E.K. (2024, March 12-15). *Longitudinal examination of swallowing safety and vocal fold mobility in individuals undergoing cardiovascular surgery*. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C.,** Wiele, L., Terry, A., Plowman, E.K. (2023, November 15-18). *Comparing pre- and post-operative swallowing safety and efficiency profiles in cardiac surgical patients*. [Technical session]. American Speech-Language Hearing Association Convention, Boston, MA, United States.
- Donohue, C.,** Garand, K.L. (2023, November 15-18). *Shared decision-making in dysphagia management for individuals with amyotrophic lateral sclerosis*. [Seminar]. American Speech-Language Hearing Association Convention, Boston, MA, United States.
- Donohue, C.,** Coyle, J.L. (2023, November 15-18). *Application of meta-therapy to dysphagia rehabilitation*. [Seminar]. American Speech-Language Hearing Association Convention, Boston, MA, United States.
- Donohue, C.,** Wiele, L., Anderson, A., Croft, K., Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2023, March 13-17). *Safety, feasibility and physiologic impact of respiratory strength training in preoperative cardiac surgical patients*. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C.,** Anderson, A., DiBiase, L., Wymer, J., Plowman, E.K. (2023, March 13-17). *Relationship between pulmonary, cough, and swallowing functions and decline in ALS*. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, September 26). *Safety, feasibility and physiologic impact of respiratory strength training in preoperative cardiac surgical patients*. The 4th International Dysphagia Symposium at Fujita Health University, Toyoake, Japan.
- Donohue, C.,** Tabor Gray, L., Chapin, J., Anderson, A., DiBiase, L., Plowman, E.K. (2022, September 23-24). *Comparison of validated outcomes of swallowing efficiency: Perceptual ordinal DIGEST versus quantitative pixel based ASPEKT ratings of pharyngeal residue*. [Scientific session]. The Japanese Society of Dysphagia Rehabilitation Annual Meeting, Chiba, Japan.
- Tabor Gray, L., **Donohue, C.,** Vasilopoulos, T., Wymer, J., Plowman, E.K. (2022, September 12-16). *Maximum phonation time as a surrogate marker of pulmonary function and airway clearance capacity in individuals with ALS*. [Scientific session]. European Swallowing and Swallowing Disorders Congress, Leuven, Belgium.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, June 2). *Feasibility and physiologic impact of respiratory strength training in preoperative cardiac surgical patients*. Neuro Nines, University of Florida, Gainesville, FL, United States.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, March 3-5). *Safety, feasibility, and impact of preoperative respiratory strength training in cardiac surgical patients: Preliminary case series data*. University of Leuven, Leuven, Belgium.
- Donohue, C.,** Tabor Gray, L., Chapin, J., Anderson, A., DiBiase, L., Plowman, E.K. (2022, March 15-18). *Discriminant ability of the 3-ounce water swallow test to detect aspiration in amyotrophic lateral sclerosis*. [Scientific session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C.,** Tabor Gray, L., Chapin, J., Anderson, A., DiBiase, L., Plowman, E.K. (2022, March 15-18). *Comparison of validated outcomes of swallowing efficiency: Perceptual ordinal DIGEST versus quantitative pixel based ASPEKT ratings of pharyngeal residue*. [Scientific session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Croft, K., Dallal York, J., **Donohue, C.,** Anderson, A., Jeng, E., Plowman, E.K. (2022, March 15-18). *Provision of oral care in the intensive care unit: Nurse training, confidence, methods, and perceived barriers*. [Scientific session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Dallal York, J., Croft, K., Anderson, A., DiBiase, L., Coker, M., **Donohue, C.,** Vasilopoulos, T., Shahmohammadi, A., Pelaez, A., Pipkin, M., Machuca, T., Plowman, E.K. (2022, March 15-18). *Evidence of dysphagia and dystussia in new lung transplant recipients: A single site prospective cohort study*. [Scientific session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C.** (2021, November 24). *Novel approaches to dysphagia management: From artificial intelligence to prehabilitation*. [Grand Rounds]. University of Florida, Gainesville, FL, United States.
- Donohue, C.,** Khalifa, Y., Sejdic, E., Coyle, J.L. (2021, November 18-20). *Swallow segmentation using high-resolution cervical auscultation signals and advanced machine learning techniques*. [Technical session]. American Speech-Language Hearing Association Convention, Washington D.C., United States.

- Donohue, C.,** Carnaby, G., Cazalas, M.C., Colquhoun, R., Lacomis, D., Garand, K.L. (2021, November 18-20). *A meta-analysis of post-exercise outcome measures in patients with amyotrophic lateral sclerosis*. [Technical session]. American Speech-Language Hearing Association Convention, Washington D.C., United States.
- Donohue, C.** (2021, November 10). *The safety, feasibility, and impact of preoperative respiratory strength training in cardiac surgical patients*. [Scientific presentation]. Post-doc virtual seminar series, Gainesville, FL, United States.
- Donohue, C.,** Gokul, B., Kuhn, M., Allen, J. (2021, August 12-13). *Dysphagia in a lung transplant patient: A case study that highlights the complexity of assessing and treating patients with multi-system impairments*. [Case discussion]. Dysphagia Research Society Institute for Education Fall Conference, Milwaukee, WI, United States.
- Donohue, C.,** Coyle, J.L. (2021, June 5). *Integrating measures of respiratory and cough function into dysphagia management*. [Scientific session]. Pennsylvania Speech-Language Hearing Association Convention, King of Prussia, PA, United States.
- Donohue, C.,** Khalifa, Y., Perera, S., Sejdic, E., Coyle, J.L. (2021, March 9-12). *Characterizing swallows from people with neurodegenerative diseases using HRCA signals and temporal and spatial swallow kinematic measurements*. [Scientific session]. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C.,** Coyle, J.L. (2020, November 19-21). *The impact of respiratory-swallow training and EMST on pulmonary, cough, and swallow function in ALS*. [Conference session]. American Speech-Language-Hearing Association Convention, San Diego, CA, United States. (Conference canceled)
- Donohue, C.,** Khalifa, Y., Perera, S., Sejdić, E., Coyle, J.L. (2020, November 19-21). *Can HRCA signals differentiate between swallows from healthy people and people with neurodegenerative diseases?* [Conference session]. American Speech-Language-Hearing Association Convention, San Diego, CA, United States. (Conference canceled)
- Mahoney, A., **Donohue, C.,** Lucatoro, E., Khalifa, Y., Sejdić, E., Coyle, J.L. (2020, November 19-21). *Massive open online courses (MOOCs): Applications for educators, researchers, and clinicians in CSD* [Seminar]. American Speech-Language-Hearing Association Convention, San Diego, CA, United States. (Conference canceled)
- Donohue, C.,** Coyle, J.L. (2020, April 1-4). *Impact of a combined respiratory intervention in patients with ALS* [Conference session]. Pennsylvania Speech-Language-Hearing Association Annual Meeting, Pittsburgh, PA, United States. (Conference canceled)
- Donohue, C.** (2019, November 20-23). *Automatic tracking of the hyoid bone during swallowing using vibratory signals and artificial intelligence* [Conference session]. American Speech-Language-Hearing Association Annual Meeting, Orlando, FL, United States.
- Coyle, J.L., **Donohue, C.,** Mahoney, A. (2019, November 20-23). *Novel technologies for dysphagia assessment and treatment* [Conference session]. American Speech-Language-Hearing Association Annual Meeting, Orlando, FL, United States.
- Coyle, J.L., **Donohue, C.** (2019, November 20-23). *What's wrong with my patient: Aspiration, cough, COPD, and ALS* [Conference session]. American Speech-Language Hearing Association Annual Meeting, Orlando, FL, United States.
- Donohue, C.** (2019, February 13). *The impact of respiratory function on swallowing in patients with ALS and COPD: Current research evidence and future directions* [Grand rounds]. University of Pittsburgh Presbyterian Medical Center, Pittsburgh, PA, United States.
- Thurmes, A.K., Kotlarek, K.J., Cordero, K.N., **Donohue, C.** (2016, April 4-9). *Competency in assessment and treatment of cleft/VPI and craniofacial speech-language disorders: a clinical education model* [Conference session]. American Cleft Palate-Craniofacial Association Annual Meeting, Atlanta, GA, United States.
- Munson, B. & **Donohue, C.** (2014, August 18). *The learning to talk project* [Guest lecture]. Mayo Clinic, Rochester, MN, United States.

POSTER PRESENTATIONS:

- Donohue, C.,** Croft, K., Maristela, S.A., Folsom, M., Plowman, E.K. (2024, March 12-15). *Longitudinal examination of swallowing safety and vocal fold mobility in individuals undergoing cardiovascular surgery*. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Hazelwood, R.J., Tabor-Gray, L., **Donohue, C.,** Szymanek, K. (2023, November 15-18). *The development and benefits of a faculty mentoring group for dysphagia educators*. American Speech-Language Hearing Association Convention, Boston, MA, United States.

- Donohue, C.,** Anderson, A., DiBiase, L., Steele, C., Wymer, J., Plowman, E.K. (2023, March 13-17). *Profiling number of swallows per bolus in individuals with ALS*. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C.,** Tabor Gray, L., DiBiase, L., Anderson, A., Wymer, J., Plowman, E.K. (2022, November 1-3). *Profiling dysarthria and dysphagia in individuals with amyotrophic lateral sclerosis*. Northeast ALS Consortium Annual Meeting, Clearwater Beach, FL, United States.
- Donohue, C.,** Anderson, A., DiBiase, L., Croft, K., Wymer, J., Plowman, E.K. (2022, November 1-3). *Clinical utility of the ALSFRS-R to detect and monitor dysarthria in individuals with ALS*. Northeast ALS Consortium Annual Meeting, Clearwater Beach, FL, United States.
- Milikin, C., Wiele, L., **Donohue, C.,** Anderson, A., DiBiase, L., Croft, K., Wymer, J., Plowman, E.K. (2022, November 1-3). *Concordance of patient and caregiver dyad communication effectiveness survey ratings in ALS*. Northeast ALS Consortium Annual Meeting, Clearwater Beach, FL, United States.
- Donohue, C.,** Tabor Gray, L., DiBiase, L., Anderson, A., Wymer, J., Plowman, E.K. (2022, September 12-16). *Dysarthria and dysphagia profiles in individuals with amyotrophic lateral sclerosis*. European Swallowing and Swallowing Disorders Congress, Leuven, Belgium.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, September 12-16). *Feasibility and physiologic impact of respiratory strength training in preoperative cardiac surgical patients*. European Swallowing and Swallowing Disorders Congress, Leuven, Belgium.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, June 2). *Feasibility and physiologic impact of respiratory strength training in preoperative cardiac surgical patients*. BREATHE Retreat, University of Florida, Gainesville, FL, United States.
- Donohue, C.,** Tabor Gray, L., Chapin, J., Plowman, E.K. (2022, March 15-18). *Clinical utility of the Eating Assessment Tool-10 to detect global pharyngeal dysphagia in amyotrophic lateral sclerosis*. [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- DiBiase, L., Anderson, A., Chapin, J., **Donohue, C.,** Wymer, J.P., Plowman, E.K. (2022, March 15-18). *Utility of caregiver proxy reporting of swallowing impairment in amyotrophic lateral sclerosis*. [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Anderson A., DiBiase, L., Coker, M., Croft, K., Dallal York, J., **Donohue, C.,** Plowman, E.K. (2022, March 15-18). *Intra- and inter-rater reliability for making visual perceptual ratings of pharyngeal residue using a 100mm visual analogue scale on FEES*. [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C.,** Jeng, E., Martin, T., Beaver, T., Arnaoutakis, G., Plowman, E.K. (2022, March 3-5). *Safety, feasibility, and impact of preoperative respiratory strength training in cardiac surgical patients: Preliminary case series data*. European Respiratory Care Association Congress, Lyon, France.
- Donohue, C.,** Tabor Gray, L., Anderson, A., DiBiase, L., Chapin, J., Wymer, J.P., Plowman, E.K. (2022, February 10). *Discriminant ability of the Eating Assessment Tool-10 to detect swallowing safety and efficiency impairments*. [Poster session]. UF College of Public Health and Health Professions Research Day, Gainesville, FL, United States.
- Bryson, E., **Donohue, C.,** Khalifa, Y., Perera, S., Sejdic, E., Coyle, J.L. *Comparing effortful and non-effortful swallows using HRCA, MBSImP scores, and temporal/spatial swallow kinematic measurements*. [Poster session]. American Speech-Language Hearing Association Convention, Washington D.C., United States.
- Donohue, C.,** Khalifa, Y., Sejdic, E., Coyle, J.L. (2021, August 20-22). *Automatic extraction of swallows from patients with dysphagia using non-invasive neck sensors and deep learning*. World Dysphagia Summit, Aichi, Japan.
- Bryson, E., **Donohue, C.,** Khalifa, Y., Perera, S., Sejdic, E., Coyle, J.L. (2021, June 9). *Comparing effortful and non-effortful swallows using high-resolution cervical auscultation and a clinical rating scale*. [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States
- Donohue, C.,** Welch, B., Coyle, J.L., Helou, L.B. (2021, April 14-17). *A University of Pittsburgh CSD podcast for disseminating research to clinicians*. [Poster session]. Pennsylvania Speech-Language Hearing Association Convention, King of Prussia, PA, United States.
- Donohue, C.,** Khalifa, Y., Sejdic, E., Coyle, J.L. (2021, April 6). *High-resolution cervical auscultation's capability in detecting upper esophageal sphincter opening across patient populations and healthy adults*. [Poster session]. Advancing Research through Computing, Pittsburgh, PA, United States.
- Khalifa, Y., **Donohue, C.,** Coyle, J.L., Sejdic, E. (2021, April 6). *Automatic extraction of swallows from patients with dysphagia using non-invasive neck-sensors and deep learning*. [Poster session]. Advancing Research through Computing, Pittsburgh, PA, United States.

- Donohue, C., Khalifa, Y., Perera, S., Sejdic, E., Coyle, J.L.** (2021, March 9-12). *Characterizing effortful swallows from healthy community dwelling adults across the lifespan using HRCA signals and MBSImP scores*. [Poster session]. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C., Khalifa, Y., Mao, S., Perera, S., Sejdic, E., Coyle, J.L.** (2021, March 9-12). *Establishing reference values for temporal kinematic swallow events across the lifespan in healthy community dwelling adults using HRCA*. [Poster session]. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C., Carnaby, G., Cazalas, M.C., Colquhoun, R., Lacomis, D., Garand, K.L.** (2021, March 9-12). *Exercise in patients with amyotrophic lateral sclerosis: An unsuccessful meta-analysis*. [Poster session]. Dysphagia Research Society Annual Meeting, San Francisco, CA, United States.
- Donohue, C., Mahoney, A., Khalifa, Y., Mao, S., Sejdic, E., Coyle, J.L.** (2020, November 19-21). *Can HRCA characterize kinematic events of swallow function in healthy adults across the lifespan?* [Poster session]. American Speech-Language-Hearing Association Convention, San Diego, CA, United States. (Conference canceled)
- Donohue, C., Coyle, J.L.** (2020, October 21-24). *The safety, tolerability, and impact of a combined respiratory intervention in patients with amyotrophic lateral sclerosis*. [Poster session]. American Congress of Rehabilitation Medicine, Atlanta, GA, United States.
- Donohue, C., Coyle, J.L.** (2020, October 7). *The safety, tolerability, and impact of a combined respiratory intervention in patients with ALS*. [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States.
- Donohue, C., Coyle, J.L.** (2020, October 7). *How important is randomization of swallows during kinematic analyses of swallow function?* [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States.
- Donohue, C., Khalifa, Y., Perera, S., Sejdic, E., Coyle, J.L.** (2020, October 7). *A preliminary investigation of whether HRCA signals can differentiate between swallows from healthy people and swallows from people with neurodegenerative diseases*. [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States.
- Donohue, C., Coyle, J.L.** (2020, September 30-October 2). *The safety, tolerability, and impact of respiratory-swallow coordination training and EMST on pulmonary, cough, and swallow function surrogates in amyotrophic lateral sclerosis* [Poster session]. NEALS Annual Conference, Clearwater Beach, FL, United States.
- Mahoney, A., Donohue, C., Sejdic, E., Coyle, J.L.** (2020, April 1-4). *MOOC: A creative and effective way to disseminate knowledge across disciplines* [Poster session]. Pennsylvania Speech-Language-Hearing Association Annual Meeting, Pittsburgh, PA, United States. (Conference canceled)
- Donohue, C., Coyle, J.L.** (2020, March 17-20). *The impact of a combined respiratory intervention on pulmonary, cough, and swallow function in amyotrophic lateral sclerosis* [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C., Mahoney, A., Coyle, J.L.** (2020, March 17-20). *How important is randomization of swallows during kinematic analysis of swallow function?* [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Mahoney, A., Donohue, C., Perera, S., Coyle, J.L., Sejdic, E.** (2020, March 17-20). *Can HRCA signal features of UES diameter and UES opening duration predict residue ratings on the MBSImP?* [Poster session]. Dysphagia Research Society Annual Meeting, San Juan, Puerto Rico.
- Donohue, C., Fairchild, M., DeRuiter, M.** (2019, November 20-23). *Bridging the gap between academia and the clinic: Implementing a tiered supervision model in SLP* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Orlando, FL, United States.
- Mahoney, A., Donohue, C., Sejdic, E., Coyle, J.L.** (2019, September 20). *MOOC: A creative and effective way to disseminate knowledge across disciplines* [Poster session]. Med Ed Day, Pittsburgh, PA, United States.
- Donohue, C., Khalifa, Y., Sejdic, E., Coyle, J.L.** (2019, May 22). *How closely do machine ratings of duration of UES opening during videofluoroscopy approximate clinician ratings using kinematic analysis and the MBSImP?* [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States.
- Donohue, C., Mao, S., Perera, S., Sejdic, E., Coyle, J.L.** (2019, May 22). *Ability to track hyoid bone movement during swallowing using vibratory signals from neck sensors* [Poster session]. Rehabilitation Institute Research Day, Pittsburgh, PA, United States.
- Donohue, C., Khalifa, Y., Sejdic, E., Coyle, J.L.** (2019, March 6-9). *How closely do machine ratings of duration of UES opening during videofluoroscopy approximate clinician ratings using kinematic analysis and the MBSImP?* [Poster session]. Dysphagia Research Society Annual Meeting, San Diego, CA, United States.
- Donohue, C., Mao, S., Perera, S., Sejdic, E., Coyle, J.L.** (2019, March 6-9). *Ability to track hyoid bone movement during swallowing using vibratory signals from neck sensors* [Poster session]. Dysphagia Research Society Annual Meeting, San Diego, CA, United States.

- Donohue, C., Zhang, Z., Mahoney, M., Perera, S., Sejdić, E., Coyle, J.L.** (2018, November 14-17). *Do machine ratings of hyoid bone displacement during videofluoroscopy match clinician ratings using the MBSImP?* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Boston, MA, United States.
- Donohue, C., Zhang, Z., Mahoney, M., Perera, S., Sejdić, E., Coyle, J.L.** (2018, November 14-17). *Prediction of penetration-aspiration risk based on automatic detection of anterior-horizontal hyoid bone displacement* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Boston, MA, United States.
- Donohue, C., Zhang, Z., Mahoney, M., Perera, S., Coyle, J.L., Sejdić, E.** (2018, September 21). *Prediction of penetration-aspiration risk based on automatic detection of anterior-horizontal hyoid bone displacement* [Poster session]. Carnegie Mellon University Biomedical Conference, Pittsburgh, PA, United States.
- Huang, T., Engman, J., **Donohue, C.,** Bangert, K., Finestack, L. (2017, November 8-11). *Evaluation of an explicit approach to teach grammatical forms to children with ASD* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Los Angeles, CA, United States.
- Kriese, A., **Donohue, C.,** Watson, P. (2017, November 8-11). *Rating naturalness of emphatically-stressed noun phrases with single prosodic variable manipulation* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Los Angeles, CA, United States.
- Kotlarek, K., **Donohue, C.,** Black, C., Anderson, G.C., Lacey, M. & Thurmes, A.K. (2015, November 11-14). *Pharyngeal flap take-down for adults with cleft palate due to severe nasopharyngeal obstruction* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Denver, CO, United States.
- Sasisekaran, J. & **Donohue, C.** (2014, November 19-22). *Age-related changes in the effects of concurrent task demands on phonemic encoding and monitoring in typically fluent children and adults* [Poster session]. American Speech-Language-Hearing Association Annual Meeting, Orlando, FL, United States.

TEACHING

TEACHING INTERESTS (in alphabetical order)

1. Anatomy and physiology of the aerodigestive tract, speech, and swallowing
2. Dysphagia assessment and treatment in pediatrics and adults
3. Evaluation and treatment of cognitive-communication and swallowing disorders
4. Introduction to research methods
5. Medical speech-language pathology

TEACHING EXPERIENCES

ACADEMICS:

<u>Years Inclusive</u>	<u>Course #</u>	<u>Course Title</u>	<u>Academic Location</u>
Spring 2023-present	SLP 5319	Dysphagia	Vanderbilt University
Spring 2017	SLHS 5606	Augmentative & Alternative Communication	University of Minnesota
Fall 2017	SLHS 3302	A& P of the Speech & Hearing Mechanism	University of Minnesota
Fall 2016, Fall 2017	SLHS 4402	Assessment & Treatment in SLP	University of Minnesota

GUEST LECTURES:

<u>Title:</u>	<u>Audience:</u>	<u>Location</u>
International dysphagia diet standardization initiative (IDDSI) levels	Graduate Dysphagia Lab	University of Florida Gainesville, FL
Compensations, strategies, and bolus modifications	Graduate Dysphagia Course	University of Florida Gainesville, FL
Respiratory-swallow coordination training and expiratory muscle strength training in individuals with ALS	Graduate Dysphagia Course	Online, University of Central Florida Orlando, FL
Dysphagia assessment and treatment in adults	Undergraduate SLP Course	University of Pittsburgh Pittsburgh, PA

Introduction to dysphagia in adults	Undergraduate SLP Course	University of Pittsburgh Pittsburgh, PA
Speech-language pathology in adult medical settings: The continuum of care	Undergraduate SLP Course	University of Minnesota Minneapolis, MN
Deglutition and dysphagia: An introduction to eating and swallowing	Undergraduate SLP Course	University of Minnesota, Minneapolis, MN
Respiratory function and dysphagia management: Clinical applications and evidence-based practice	Graduate Dysphagia Course	University of Minnesota, Minneapolis, MN
Instrumental evaluation of swallowing: From MBSS to FEES to manometry	Graduate Dysphagia Course	University of Minnesota, Minneapolis, MN
The neuropathophysiology of dysphagia: Foundational knowledge and clinical application	Graduate Dysphagia Course	University of Minnesota, Minneapolis, MN
AAC Transition Strategies Across the Lifespan	Graduate AAC Course	University of Minnesota Minneapolis, MN
The WHO ICF model: A global framework for clinical and research work in SLP	Graduate AAC Course	University of Minnesota Minneapolis, MN
An overview of voice perception and production	Graduate Researchers	University of Minnesota Minneapolis, MN
Working in adult medical settings	Undergraduate SLP Course	University of Minnesota Minneapolis, MN
Respiratory function in dysphagia assessment and treatment	Graduate Dysphagia Course	University of Minnesota, Minneapolis, MN
Assessment and treatment of cleft palate/VPI and craniofacial speech-language disorders	Graduate Cleft Palate Course	University of Minnesota, Minneapolis, MN

STUDENT MENTORING

<u>Years Inclusive</u>	<u>Undergraduate/Graduate Students</u>	<u>Role</u>
2023-present	Claudia Raines	Ph.D. Directed Study
2023-present	Tess Ellis	iRAD Lab Research Assistant
2023-present	Erin Kerwin	iRAD Lab Research Assistant
2023-present	Logan Novom	iRAD Lab Research Assistant
2023-present	Kaitlynn Raye	iRAD Lab Research Assistant
2023-present	Nitya Kodali	iRAD Lab Research Assistant
2023-present	Kelsey Murray	ASHA MARC Mentoring Program
2023-present	Rebecca Jones	ASHA MARC Mentoring Program
2023	Lagleania Scott	ASHA STEP Mentoring Program
2022-2023	Gabby Stowe	ASHA STEP Mentoring Program
2021-2022	Anna Vasana	UF UMMP Mentoring Program
2021-present	Regina Magid	ASHA STEP Mentoring Program
2020-2021	Elizabeth Bryson	Directed study, McMurtry Award
2020-2023	Deja Bullock	ASHA STEP Mentoring Program
2018-2019	Daniel Kachnycz	Directed study

SERVICE**PROFESSIONAL SERVICE:**

<u>Years Inclusive</u>	<u>Role</u>	<u>Organization</u>
Nov 2023-present	Participant Early Career Reviewer Program	National Institutes of Health
Feb 2023-present	Associate Editor	<i>American Journal of Physical Medicine and Rehabilitation (AJPMR)</i>
Jan 2023-present	Committee Member	ASHA SIG 13 Coordinating Committee
Nov 2021-present	Committee Member	ASHA Convention Planning Committee
Apr 2021-present	Ad-hoc journal reviewer	<i>Laryngoscope</i>
Apr 2021-present	Ad-hoc journal reviewer	<i>Scientific Report</i>
Jun 2020-present	Editorial Review Board Member	ASHA, <i>Perspectives</i> (SIG 13)
Jan 2020-present	Student to Empowered Professional Mentor	ASHA
Jan 2018-present	Ad-hoc journal reviewer	<i>JSLHR</i>
Jan 2018-present	Ad-hoc journal reviewer	<i>The American Journal of SLP</i>
Jan 2018-present	Ad-hoc journal reviewer	<i>Dysphagia</i>
Jan 2018-present	Ad-hoc journal reviewer	<i>Progress in Transplantation</i>
Oct 2021-Oct 2022	Ambassador	UF Research Integrity, Security, and Compliance
Aug 2021-Oct 2022	Mentor	University Multicultural Mentor Program
Mar 2020-Apr 2022	Student Advisory Council Chair	Dysphagia Research Society
Dec 2020-2021	Institute for Education Fall Conference Planning Committee and Conference Faculty	Dysphagia Research Society
Oct 2020-2021	Reference Group Volunteer	United States & Territories IDDSI
Nov 2019-May 2021	Co-founder of podcast for CEUs	University of Pittsburgh CSD Department
Jun 2020-Jun 2021	Convention Planning Committee	PA Speech Language Hearing Association
Aug 2020-May 2021	Ph.D. Student Representative for Equity, Justice, and Inclusion	University of Pittsburgh CSD Department
Sept 2020-Mar 2021	Collaborative Care Conference Committee	University of Pittsburgh SHRS
Sept 2018-Sept 2020	Ph.D. Student Representative	University of Pittsburgh CSD Department
Sept 2018-Apr 2019	Co-organizer of Research Round Table	University of Pittsburgh CSD Department
Sept 2016-Dec 2017	Grants Review Committee Member	University of MN College of Graduate Students
Jan 2013-Dec 2017	Student Representative	Minnesota Speech Language Hearing Association
May 2016-Dec 2017	Board Member on Planning Committee	Twin Cities Speech-Language Pathology

MEDIA

October 2023	Column Feature	ASHA Leader
September 2023	Podcast episode	ASHA Voices
April 2023	Podcast episode	Speech Path Pod
Nov 2019-present	Podcast Co-Host	Pitt CSD Research Podcast https://csdpodcast.pitt.edu/about

VOLUNTARY AND COMMUNITY ROLES:

<u>Years Inclusive</u>	<u>Role</u>	<u>Organization</u>
Mar 2018-present	Assistant Coach	Girls on the Run
Jan 2018-May 2021	Volunteer	Steel City Greyhounds
Jun 2019	Volunteer clinical supervisor	Therapy Abroad, Belize
Sept 2015-May 2015	Volunteer Clinician	National Stuttering Association Meetings
Aug 2014	Volunteer Graduate clinician	Minnesota Academy of Audiology
Jun 2014	Volunteer Graduate clinician	Minnesota Special Olympics
Apr 2012-Aug 2012	Volunteer Research Assistant	University of Minnesota SLHS Department
Jan 2012-Aug 2013	Clinic Volunteer	University of Minnesota Cleft Craniofacial Clinic
Sept 2011-Sept 2012	Volunteer Classroom Assistant	Northern Voices
Sept 2011-Dec 2011	Volunteer Tutor	University of Minnesota SLHS Department

MEETINGS AND COURSES ATTENDED

<u>Years Inclusive</u>	<u>Course Attended</u>	<u>Location</u>
Nov 2023	ASHA Convention	Boston, MA
Oct 2023	Geriatrics Care Conference	Nashville, TN
Sept 2023	AI in Health Care	Nashville, TN
Mar 2023	DRS Annual Meeting	San Francisco, CA
Oct 2022	SASS FEES Training Course	Nashville, TN
Sept 2022	JSDR Conference	Chiba, Japan
Sept 2022	ESSD Conference	Leuven, Belgium
Mar 2022	DRS Annual Meeting	Online
Feb 2022	JIVD ERCA Conference	Lyon, France
Nov 2021	ASHA Convention	Online
Aug 2021	DRSIE Fall Conference	Milwaukee, WI
Jun 2021	ASHA Pathways Program	Online
May 2021	ASHA's Teaching Symposium	Online
May 2021	Meta-analysis workshop	Online
Mar 2021	DRS Annual Meeting	Online
Jan 2021	MBSImP 5-year Renewal Course	Online
Dec 2020	ABSSD Meet the Masters	Online
Oct 2020	American Congress of Rehabilitation Medicine	Online
Oct 2020	Northeast ALS Consortium Annual Meeting	Online
Jun 2020	CIRTL Summer Institute on Scientific Teaching	Online
Jun 2020	Stanford Swallowing Disorders Awareness Symposium	Online
May 2020	DRS Annual Meeting	Online
Apr 2020	NEALS Principal Investigator Training	Online
Nov 2019	ASHA Convention	Orlando, FL
July 2019	National Center for Adaptive Neurotechnologies (NCAN)	Albany, NY
Mar 2019	DRS Annual Meeting	San Diego, CA
Nov 2018	ASHA Convention	Boston, MA
Jun 2018	Neuromuscular Ultrasound Course	Winston-Salem, NC
May 2018	Manometry Summer School	Madison, WI
Mar 2018	DRS Annual Meeting	Baltimore, MD
Nov 2017	ASHA Convention	Los Angeles, CA
Mar 2017	DRS Annual Meeting	Portland, OR
Oct 2016	Susan Langmore FEES Basic Training Course	San Francisco, CA
Aug 2016	ASHA Connect Dysphagia Track	Minneapolis, MN
Jul 2016	MBSImP Training	Online
Apr 2016	ACPA Annual Meeting	Atlanta, GA
Mar 2016	Complex Feeding Workshop	Edina, MN
Feb 2016	Premature Babies Workshop	Edina, MN
Nov 2015	ASHA Convention	Denver, CO
Nov 2015	Feeding Disorders Workshop	Edina, MN
Apr 2015	MSHA Convention	Minnetonka, MN
Nov 2014	ASHA Convention	Orlando, FL
Apr 2014	MSHA Convention	Rochester, MN